

*e-Passports*

*ID Cards*

*Driver Licenses*



# ***Turnkey solutions for production of biometric ID and travel documents***

**Introduction** Biometric matching systems such as AFIS (Automated Fingerprint Identification System), IIS (Iris Identification System) and FIIS (Facial Image Identification System) are at the core of e-Government identity infrastructure. They allow a whole range of improvements in citizens' security, such as:

- Smart biometric ID documents (e-ID cards, passports, driver licenses)
- Passports and Visa control matched with holder's biometrics (documents issued according to ICAO standards)
- Biometric records of persons with criminal history in order to support the law enforcement agencies in establishing the suspects' identities
- Fast and reliable identity checks with or without the ID document of the person being checked
- If applied to criminal police procedures, crimes can be resolved from recovered traces of fingerprints, palm prints or surveillance camera records.

These systems are used for collecting, storing, searching and matching respective biometric data along with the textual information (such as name, address, date and place of birth, etc.). Depending on the scope of application of these systems, the biometric features used to define the identity of the owner can encompass fingerprints, palm prints, face photograph, 3D head images, signature and DNA. For example, ICAO (International Civil Aviation Organization) recommends the use of face, fingerprint and iris images in future passports.

**Description** Vlatacom is an experienced integrator of biometric system at a nationwide level. The company has already delivered one of the most cost efficient comprehensive nationwide biometric system so far. An experienced team of experts with international background can tailor a system that would best suit your needs and requirements.

The company services in the field of biometric integrations include:

- Conceptual design of the overall system in full accordance with the Customer's requirements and international recommendations
- Integration of biometric subsystems provided by various vendors into a compact biometric center
- Conceptual design and installation of an electronic document factory
- Design, development and production of biometric enrollment station and biometric verification devices
- When applicable, conversion of old paper-made identity records to electronic format
- Collecting biometric and demographic data of citizens and creating appropriate databases in order to create a national biometric identity register
- When needed, design and roll out of the communication infrastructure to connect various parts of the overall system
- Designing and deploying solutions to protect data privacy and integrity
- Integration of biometric enrollment stations, verification devices, the biometric center, the existing and the new biometric databases and electronic document factory into a compact, fast and reliable identity system
- Training courses for administrators, operators and end-users of the system
- Regular service, maintenance and monitoring of the commissioned system.

Examples of e-Documents

